

WHAT IS CLAIMED IS:

- Fig 1-2*
1. A broadcast program information processing apparatus comprising:
 - a data server having a database for storing broadcast program information; and
 - a plurality of broadcast program information receiving apparatuses having a means for accessing said data server and for downloading said broadcast program information, wherein the downloading means of each of said broadcast program information receiving apparatuses downloads said broadcast program information at a random timing.

3-4

 2. A broadcast program information processing apparatus comprising:
 - a data server having a database for storing broadcast program information; and
 - a plurality of broadcast program information receiving apparatuses having a means for accessing said data server and for downloading said broadcast program information, wherein the downloading means of each of said broadcast program information receiving apparatuses downloads said broadcast program information from said data server at a preset time.

DECEMBER 10, 2000

(S-4) 3. A broadcast program information processing apparatus comprising:

a data server having a database for storing broadcast program information; and

a plurality of broadcast program information receiving apparatuses having a means for accessing said data server and for downloading said broadcast program information,

wherein the downloading means of each of said broadcast program information receiving apparatuses downloads said broadcast program information from said data server at a random timing based on a preset time.

(7-2) 4. A broadcast program information processing apparatus comprising:

a data server having a database for storing broadcast program information; and

a plurality of broadcast program information receiving apparatuses having a means for accessing said data server and for downloading said broadcast program information,

wherein the downloading means of each of said broadcast program information receiving apparatuses downloads the broadcast program information at a time set by a management server which manages said data server.

a-10 5. A broadcast program information processing

apparatus comprising:

a data server having a database for storing broadcast program information; and

a plurality of broadcast program information receiving apparatuses having a means for accessing said data server and for downloading said broadcast program information,

wherein the downloading means of each of said broadcast program information receiving apparatuses has a table in which access times to said data server are set for each region, and downloads said broadcast program information at a time set by said table.

6. A broadcast program information processing apparatus according to claim 5, wherein said table in which access times to said data server are set for each region uses region codes in which postal codes are identifiers.

7. A broadcast program information processing apparatus according to claim 5, wherein said table in which access times to said data server are set for each region uses region codes in which telephone area codes are identifiers.

8. A broadcast program information processing apparatus according to claim 5, wherein said table in which

DRAFTED - 09/2000

access times to said data server are set for each region uses region codes in which codes for urgent warning broadcasts are identifiers.

9. A broadcast program information processing apparatus comprising:

a data server having a database for storing broadcast program information; and

a plurality of broadcast program information receiving apparatuses having a means for accessing said data server and for downloading said broadcast program information,

wherein the downloading means of each of said broadcast program information receiving apparatuses downloads the broadcast program information at a time set for each service provider which can be connected to said broadcast program information receiving apparatus.

10. A broadcast program information processing apparatus comprising:

a data server having a database for storing broadcast program information; and

a plurality of broadcast program information receiving apparatuses having a means for accessing said data server and for downloading said broadcast program information,

wherein the downloading means of each of said broadcast

program information receiving apparatuses determines an access time to said data server in accordance with a load distribution state of said data server, and downloads said broadcast program information at the determined access time.

11. A broadcast program information processing apparatus according to claim 1, wherein said broadcast program information is electronic program guide (EPG) information.

00000000000000000000000000000000